

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference FP18655	FOR FURTHER ACTION	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/AU2003/001496	application No. International filing date (day/month/year) (Earliest) Priority Date (day/month/year)		
Applicant COMMONWEALTH SCIENT	TFIC AND INDUSTR	UAL RESEARCH	
This international search report has been prep Article 18. A copy is being transmitted to the	international Bureau.	earching Authority and	is transmitted to the applicant according to
This international search report consists of a t	· ·	t cited in this report.	
which it was fried, unless otherw	rise indicated under this iter	m.	of the international application in the language in ternational application furnished to this Authority
(Maie 23.1(b)).	nd/or amino acid sequence quence listing:	e disclosed in the intern	national application, the international search was
filed together with the inte	this Authority in written for	m.	
application as filed has bee	equently furnished written s n furnished.	sequence listing does no	ot go beyond the disclosure in the international
. Iuillisiled		er readable form is ider	ntical to the written sequence listing has been
<ol> <li>Certain claims were found unset</li> <li>Unity of invention is lacking (See</li> </ol>		•	
4. With regard to the title,	the text is approved as sub-		
	the text is approved as sub- the text has been established. The applicant may, within submit comments to this A	ed, according to Rule 33 one month from the da	8.2(b), by this Authority as it appears in Box III. te of mailing of this international search report,
6. The figure of the drawings to be published.		•	
,	as suggested by the applica		None of the figures
<u></u>	because the applicant failed because this figure better of		on
	·		



International application No.

PCT/AU2003/001496

Box I	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This int	ternational search report has not been established in respect of certain claims under Article 17(2)(a) for the following:
1.	Claims Nos:
	because they relate to subject matter not required to be searched by this Authority, namely:
2.	Claims Nos:
	because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
_	
3.	Claims Nos:
	because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)
Box II	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Inte	emational Searching Authority found multiple inventions in this international application, as follows:
See 1	Extra Sheet
1.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
-	
4.	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:1-36 and 38
Remark	on Protest The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.



International application No.

PCT/AU2003/001496

A.	CLASSIFICATION OF SUBJECT MATTER				
Int. Cl. 7:	D06B 7/02, D06M 11/40				
According to	International Patent Classification (IPC) or to both	national classification and IPC			
	FIELDS SEARCHED				
Minimum docu	mentation searched (classification system followed by cla	assification symbols)			
Documentation	searched other than minimum documentation to the exte	nt that such documents are included in the fields searce	had		
			neu		
DWPI: D06E	base consulted during the international search (name of c 3 7/02, D06M and keywords: mercer, sliver an	lata base and, where practicable, search terms used) d similar terms			
С.	DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	tegory* Citation of document, with indication, where appropriate, of the relevant passages				
·X	GB 2236770 A (LEUNG SUI KI) 17 April 19 Whole document	991	1-5, 21, 22, 38		
A	GB 2125836 A (TOYO BOSEKI) 14 March Page 2 lines 102-106	1984			
A	Patent Abstracts of Japan JP 08-035164 A (TOSUKO KK) 6 February	1996			
Fu	orther documents are listed in the continuation	of Box C X See patent family anne	ex		
* Special categories of cited documents:  "A" Document defining the general state of the art which is not considered to be of particular relevance  "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the princip					
"E" Earlier a	Earlier application or patent but published on or after the international filing date  "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step				
claim(s) publicati	nt which may throw doubts on priority "Y" doe or which is cited to establish the con on date of another citation or other special with	en the document is taken alone cument of particular relevance; the claimed invention of insidered to involve an inventive step when the document one or more other such documents, such combination	ent is combined		
"O" Documer exhibitio "P" Documer		erson skilled in the art cument member of the same patent family			
Date of the actua	l completion of the international search	Date of mailing of the international search report			
25 November		9 JAN 2004			
	ng address of the ISA/AU PATENT OFFICE	Authorized officer			
PO BOX 200, W	ODEN ACT 2606, AUSTRALIA	M. BREMERS			
E-maii address: p Facsimile No. (0	oct@ipaustralia.gov.au 02) 6285 3929	Telephone No: (02) 6283 2052			

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PCT/AU2003/001496

## Supplemental Box

(To be used when the space in any of Boxes I to VIII is not sufficient)

Continuation of Box No: II

The international application does not comply with the requirements of unity of invention because it does not relate to one invention or to a group of inventions so linked as to form a single general inventive concept. In coming to this conclusion the International Searching Authority has found that there are different inventions as follows:

- 1. Claims 1-36 are directed to a process and apparatus for the mercerisation of unconstrained cellulosic fibres wherein the fibres are held to prevent shrinkage during transport through the mercerising and rinsing zones. It is considered that the prevention of shrinkage of <u>unconstrained</u> fibres during mercerisation comprises a first "special technical feature".
- 2. Claim 37 is directed to an apparatus for the prevention of shrinkage of fibres during a treatment. It is considered that the conveyor for holding the fibres comprises a second "special technical feature".

These groups are not so linked as to form a single general inventive concept, that is, they do not have any common inventive features, which define a contribution over the prior art. The common concept linking together these groups of claims is the prevention of fibre shrinkage during a treatment. However this concept is not novel in the light of the prior art described at page 1 lines 33-36 of the present application and GB 2236770 A (LEUNG SUI KI) 17 April 1991, see the abstract. Therefore these claims lack unity a posteriori.

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

	t Document Cited in Search Report		Patent Family Member	
GB	2236770	NONE		
GB	2125836	NONE		
JP	8035164	NONE		